

PROJECT DESCRIPTION

EQUIPMENT LIST (cont')

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I. General

This portion of the project involves the replacement of pole mounted controller cabinets with base mounted controller cabinets and rewiring all traffic signal equipment and provide for telephone connection.

II. Intersection Operation

No change to the existing signal operations is required for this project.

III. Special Notes

1.) Maintenance of traffic will be handled by the contractor utilizing the MD-SHA standard plates for traffic control.

2a.) The following are SHA District 4 Contact persons:

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations
Division (410) 787-7630

Mr. Dave Malkowski
District Engineer
(410) 321-3461

Mr. Randall Scott
Asst. District Engineer -
Traffic
(410) 321-3514

Mr. David Ramsey
Asst. District Engineer -
Maintenance (Acting)
(410) 321 3468

Mr. Joseph McMahon
Asst. District Engineer- Utility
(410) 321-3456

2b.) The following are SHA District 3 Contact persons:

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations
Division (410) 787-7630

Mr. Charles Watkins
District Engineer
(410) 513-7311

Mr. Majib Shakib
Asst. District Engineer -
Traffic
(301) 513-7358

Mr. Randy Brown
Asst. District Engineer -
Maintenance (Acting)
(301) 513-7304

Mr. Sonny Lauer
Asst. District Engineer- Utility
(301) 513-7358

2c.) The following are SHA District 7 Contact persons:

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations
Division (410) 787-7630

Mr. Robert Fisher
District Engineer
(301) 624-8101

Mr. John Concannon
Asst. District Engineer -
Traffic
(301) 624-8140

Mr. Leon Kerns
Asst. District Engineer -
Maintenance (Acting)
(301) 624-8105

Mr. Jim Buckalew
Asst. District Engineer- Utility
(301) 624-8118

3.) The contractor shall rewire and pull all traffic signal cables into the proposed base mounted controller cabinet and properly label each cable. The MD-SHA will be responsible for all internal cabinet wiring.

EQUIPMENT LIST

A. Equipment to be supplied by the Administration.

ITEM NO.	QUANTITY	UNITS	SPECIFICATION SECTION	DESCRIPTION
9001	1	EA	816	NEMA "P" size, base mount, intersection monitor cabinet with controller and conflict monitor with one detector rack amplifier for US 29 and Rivers Edge Road Howard County
9001	1	EA	816	NEMA "P" size, base mount, intersection monitor cabinet with controller and conflict monitor with one detector rack amplifier for Alt. US 1 and Ridge Road - Baltimore County
9001	1	EA	816	NEMA "P" size, base mount, intersection monitor cabinet with controller and conflict monitor with one detector rack amplifier for Alt US 1 and Halethorpe Farms/ Selma Avenue - Baltimore County

A. Equipment to be supplied by the Administration.

ITEM NO.	QUANTITY	UNITS	SPECIFICATION SECTION	DESCRIPTION
9001	1	EA	816	NEMA "P" size, base mount, intersection monitor cabinet with controller and conflict monitor with one detector rack amplifier for MD 216 and Leishear Road Howard County
9001	1	EA	816	NEMA "P" size, base mount, intersection monitor cabinet with controller and conflict monitor with one detector rack amplifier for MD 212 and Powder Mill Road Prince Georges County
9001	1	EA	816	NEMA "P" size, base mount, intersection monitor cabinet with controller and conflict monitor with one detector rack amplifier for Alt. US 3 and Landsdowne Road Baltimore County
9003	4	EA	XXX	Furnish and install microloop probe set with 500 feet of lead-in cable
9004*	11	EA		Four channel rack mount amplifier
9003*	6	EA		Amplifier power supply

* - Signal Operations To Install

B. Equipment to be furnished/and or installed by Contractor

ITEM NO.	QUANTITY	UNITS	SPECIFICATION SECTION	DESCRIPTION
8003	6	EA	816	Install size "P" controller and cabinet -base mount
8007	880	LF	805	Furnish and install 2" schedule 80 rigid PVC conduit - trenched
8010	6	EA	SP	Delivery of existing controller and cabinet
8011	6	EA	SP	Remove existing cabinet
8012	6	EA	SP	Pick-up S.H.A. supplied equipment
8013	1	EA	811	Furnish and install electrical handhole
8017	8910	LF	810	Furnish and install electrical cable - 2 conductor (aluminum shielded)
8023	6	EA	804	Furnish and install ground rod - 3/4 in. diameter x 10 ft. length
8024	840	LF	810	Furnish and install No. 6 AWG stranded bare copper ground wire
8025A	40	LF	805	Furnish and install 3" schedule 80 rigid PVC conduit - trenched
8026A	75	LF	805	Furnish and install 3" schedule 80 rigid PVC conduit - pushed
8027A	195	LF	805	Furnish and install 3" schedule 80 rigid PVC conduit - slotted
8028A	650	SF	SP	Removal of existing concrete sidewalk. Furnish and install concrete sidewalk
NEG	680	LF	810	Furnish and install electrical cable - 5 conductor (No. 14 AWG)
NEG	4310	LF	810	Furnish and install electrical cable - 7 conductor (No. 14 AWG)
NEG	190	LF	810	Furnish and install electrical cable - 4 conductor (No. 14 AWG)


B. Equipment to be furnished/and or installed by Contractor

ITEM NO.	QUANTITY	UNITS	SPECIFICATION SECTION	DESCRIPTION
NEG	290	LF	805	Furnish and install 4" schedule 80 PVC electrical conduit trenched
NEG	1080	LF	810	Furnish and install electrical cable - 1 conductor (No. 4 AWG)
NEG	1	EA	811	Rebuild existing handhole
NEG	600	LF	810	Furnish and install electrical cable - 2 conductor (No. 12 AWG copper type T/C)
NEG	200	LF	810	Furnish and install 4 in. schedule 80 rigid PVC conduit - slotted
NEG	1	EA	XXX	Furnish and install 2 in. weatherhead
NEG	3	EA	XXX	Adjust existing handhole to final grade
NEG	170	LF	805	Furnish and install 2 in. PVC schedule 80 conduit riser
NEG	3	EA	XXX	Rering existing span wire
NEG	50	LF	805	Furnish and install 1 in. liquid tight non-metallic conduit for detector wire sleeve
NEG	1	EA	712	Selective tree trimming
NEG	4	EA	XXX	Install micro-probe
NEG	1	EA	810	Furnish and install 1 1/4 in. LB

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410-258-7171

MDOT
CONSULTING ENGINEERS
COLUMBIA, MARYLAND

REVISIONS	APPROVALS
	ASST. DIVISION CHIEF, TEDO
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET TASK M	
LOGMILE #:	DATE 7 / 98
DRAWN BY: R.C.	F.A.P. NO.
CHECK BY: N.T.S.	S.H.A. NO. A.W.114A597 B59
SCALE:	COUNTY
PLAN SHEET NO.:	SHEET NO. 7 OF 8